

## Lightweight, Compact Survival Rafts, Phase I

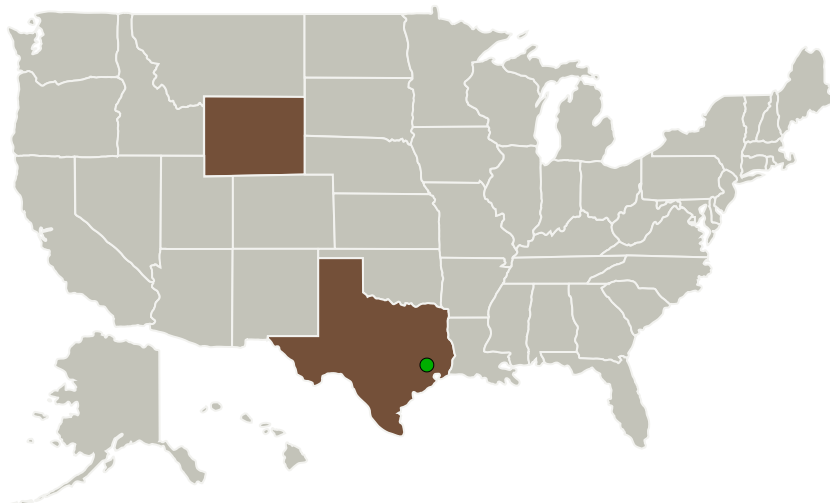
Completed Technology Project (2015 - 2015)



## Project Introduction

An advanced, lightweight inflation system is proposed that will reduce weight to at least 1/2, and down to 1/10 that of current inflation systems. A novel ingress system is also proposed that will greatly aid the boarding of survival rafts especially stressed, injured, frightened or otherwise compromise people in the water. Weight losses and fabrication advances in the inflatable portion of a raft package, being developed under a separate effort, promise to reduce overall package weight to a total package reduction of 2/3, with a goal of 12 pounds or less for a 6 person raft.

## Primary U.S. Work Locations and Key Partners



Lightweight, Compact Survival Rafts, Phase I

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Organizations Performing Work	Role	Type	Location
Kennon Products, Inc.	Lead Organization	Industry	Sheridan, Wyoming
● Johnson Space Center(JSC)	Supporting Organization	NASA Center	Houston, Texas

## Primary U.S. Work Locations

Texas	Wyoming
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### Project Transitions



**June 2015:** Project Start



**December 2015:** Closed out

**Closeout Summary:** Lightweight, Compact Survival Rafts, Phase I Project Image

**Closeout Documentation:**

- Final Summary Chart Image(<https://techport.nasa.gov/file/139155>)

### Images



**Briefing Chart Image**

Lightweight, Compact Survival Rafts, Phase I

(<https://techport.nasa.gov/image/127860>)

### Organizational Responsibility

**Responsible Mission Directorate:**

Space Technology Mission Directorate (STMD)

**Lead Organization:**

Kennon Products, Inc.

**Responsible Program:**

Small Business Innovation Research/Small Business Tech Transfer

### Project Management

**Program Director:**

Jason L Kessler

**Program Manager:**

Carlos Torrez

**Principal Investigator:**

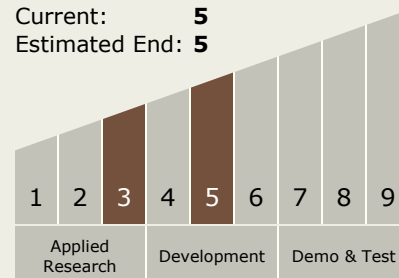
Mark Weitz

### Technology Maturity (TRL)

Start: 3

Current: 5

Estimated End: 5



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## Technology Areas

### Primary:

- TX06 Human Health, Life Support, and Habitation Systems
  - └ TX06.2 Extravehicular Activity Systems
    - └ TX06.2.2 Portable Life Support System

## Target Destinations

The Sun, Earth, The Moon, Mars, Others Inside the Solar System, Outside the Solar System